

**A TRANSDUCER WITH MODIFIABLE BUFFER CIRCUIT AND METHOD FOR
ADJUSTING THEREOF**

ABSTRACT OF THE DISCLOSURE

A method and system for adjusting the frequency response characteristics of a transducer assembly (312) is disclosed. The transducer assembly (312) includes a modifiable buffer circuit (100) being generally enclosed within a housing (314). Electrical signal connections for modifying the operating state of the modifiable buffer circuit (100) are accessible outside the housing (314). The modifiable buffer circuit (100) further includes a plurality of signal inputs (234) and outputs (230), the plurality of signal inputs (234) are accessible from outside the housing. A predetermined relationship exists between the plurality of signal inputs (234) and the plurality of outputs (230). A resistor network (224) is operably connected to the plurality of outputs (230) wherein a portion of the resistor network (224) is operably disconnected from a filter network (218) in response to the plurality of signal inputs (234).